PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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oplicant's or agent's file reference FOR FURTHER ACTION See Form PCT/IPEA/416 1301-74702			PCT/IPEA/416				
International application No.	International filing date (da	y/month/year)	Priority date (day/month/year)				
PCT/SE2004/000451 24.03.2004			24.03.2003				
International Patent Classification (IPC) o	r national classification and	IPC					
A61K 39/39, A61K 39/0							
Applicant							
Isconova AB et al			•				
			1 Dulining Evening				
This report is the international pro- Authority under Article 35 and to	cansmitted to the applicant ac	cording to Article					
2. This REPORT consists of a total	of 4 sheets, i	ncluding this cove	er sheet.				
3. This report is also accompanied b	by ANNEXES, comprising:						
a. (sent to the applican	t and to the International Bu	reau) a total of _	sheets, as follows:				
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the							
Administrative Instructions). sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.							
b. (sent to the Internation	ional Rureau only) a total of	(indicate type and	number of electronic carrier(s))				
,	, containing	g a sequence listin	g and/or tables related thereto, in electronic				
form only, as indica Administrative Instr		Relating to Seque	ence Listing (see Section 802 of the				
4. This report contains indications:							
•	of the report	•					
Box No. II Priori	ty						
Box No. III Non-e	stablishment of opinion with	regard to novelty	, inventive step and industrial applicability				
Box No. IV Lack							
Box No. V Reaso							
Box No. VI Certain documents cited							
Box No. VII Certain defects in the international application							
Box No. VIII Certain observations on the international application							
		Date of completic	on of this report				
Date of submission of the demand		Tate of complete	or ar ario rabor.				
18.10.2004		04.07.2005					
Name and mailing address of the IPEA/SE		Authorized officer					
Patent- och registreringsverket							
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2004/000451

Box	No. I	Basis of the report				
1.	1. With regard to the language, this report is based on:					
		the international application in the language in which it was filed				
		a translation of the international application into which is the language of a translation furnished for the purposes of:				
		international search (Rules 12.3(a) and 23.1(b))				
		publication of the international application (Rule 12.4(a))				
		international preliminary examination (Rules 55.2(a) and/or 55.3(a))				
2.	furnish	regard to the elements of the international application, this report is based on (replacement sheets which have been hed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" re not annexed to this report):				
	\boxtimes	the international application as originally filed/furnished				
		the description:				
		pages as originally filed/furnished				
		pages* received by this Authority on				
		pages* received by this Authority on				
		the claims:				
		pages as originally filed/furnished				
		pages* as amended (together with any statement) under Article 19				
, .		pages* received by this Authority on				
		pages* received by this Authority on				
		the drawings:				
		pages as originally filed/furnished				
		pages* received by this Authority on received by this Authority on				
	 1					
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.				
3.		The amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
*	If item	a 4 applies, some or all of those sheets may be marked "superseded."				



International application No.

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims Claims	1-17	YES NO
	Inventive step (IS)	Claims Claims	1-17	YES NO
	Industrial applicability (IA)	Claims Claims	1-17	YES NO

2. Citations and explanations (Rule 70.7)

The following document is cited in this opinion:

1. (D1) Iosef C, et al. Systemic and intestinal antibody secreting cell responses and protection in gnotobiotic pigs immunized orally with attenuated Wa human rotavirus and Wa 2/6-rotavirus-like-particles associated with immunostimulating complexes. Vaccine. 2002 Mar 15;20(13-14):1741-53.

The present application relates to the use of immune stimulating complex (iscom) particles as adjuvant for an antigenic composition, which comprises live micro-organisms.

D1, which is considered to be the most relevant prior art, discloses the use of iscom particles in combination with live micro-organisms (attenuated human rotavirus (attHRV)) as a vaccine strategy (see specially page 1742, col. 1, lines 41-46 and page 1752, col. 1, lines 7-9).

The technical difference in terms of claimed technical features between the present application and D1 is that in the claimed invention the iscom particles administered are in the same composition as the live micro-organisms, whereas in D1 these are administered separately. It has not been shown that this technical difference shows any technical effect in comparison with what is already known (D1).

The problem to be solved is, therefore, to develop an alternative way to administer iscom particles in combination with live micro-organisms.



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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box V

To develop this kind of alternative administration method is considered to be obvious for a person skilled in the art, since it is well know in the art that an adjuvant and the antigen can be administered together. Further, no surprising technical effect has been shown and the application and D1 belong to the same technical field.

Consequently, according to the motivation above, the subject matter claimed in claims 1-17 is considered to lack an inventive step.